

Config SW L2

en

conf t

vlan 31

name Badminton

vlan 41

name Escrime

vlan 51

name Volley

vlan 61

name Handball

vlan 71

name DMZ

vlan 21

name Administration

exit

int vlan 21

ip address 172.21.0.2 255.255.0.0

no shut

exit

ip default-gateway 172.21.255.254

int range fa0/1-5

description Badminton

switchport mode access

```
switchport access vlan 31
```

```
int range fa0/6-10
```

```
description Escrime
```

```
switchport mode access
```

```
switchport access vlan 41
```

```
int range fa0/11-15
```

```
description Volley
```

```
switchport mode access
```

```
switchport access vlan 51
```

```
int range fa0/16-20
```

```
description Hanball
```

```
switchport mode access
```

```
switchport access vlan 61
```

```
int fa0/21
```

```
switchport mode access
```

```
switchport access vlan 71
```

```
exit
```

```
int fa 0/24
```

```
switchport mode trunk
```

```
-----
```

```
Config SW L3
```

```
en
conf t
vlan 21
name Administration
vlan 31
name Badminton
vlan 41
name Escrime
vlan 51
name Volley
vlan 61
name Handball
vlan 71
name DMZ

exit

ip routing

int vlan 21
description VLAN_Administration
ip address 172.21.255.254 255.255.0.0
exit

int vlan 31
description VLAN_Badminton
ip address 192.168.31.254 255.255.255.0
```

```
ip helper-address 172.21.0.1
```

```
exit
```

```
int vlan 41
```

```
description VLAN_Escime
```

```
ip address 192.168.41.254 255.255.255.0
```

```
ip helper-address 172.21.0.1
```

```
exit
```

```
int vlan 51
```

```
description VLAN_Volley
```

```
ip address 192.168.51.254 255.255.255.0
```

```
ip helper-address 172.21.0.1
```

```
exit
```

```
int vlan 61
```

```
description VLAN_Handball
```

```
ip address 192.168.61.254 255.255.255.0
```

```
ip helper-address 172.21.0.1
```

```
exit
```

```
int vlan 71
```

```
description VLAN_DMZ
```

```
ip address 10.0.71.254 255.255.255.0
```

```
exit
```

```
int gi 1/0/1
```

```
switchport trunk encapsulation dot1q
```

```
switchport mode trunk
```

```
exit
```

```
int gi 1/0/20
```

```
switchport mode access
```

```
switchport access vlan 21
```

```
exit
```

```
int gi 1/0/21
```

```
switchport mode access
```

```
switchport access vlan 71
```

```
exit
```

```
int gi 1/0/24
```

```
description VERS_RO
```

```
no switchport
```

```
ip address 10.0.21.2 255.255.255.0
```

```
exit
```

```
ip route 0.0.0.0 0.0.0.0 10.0.21.1
```

```
-----
```

```
Config RO
```

```
en
```

```
conf t
```

```
int fa0/1
```

```
ip address dhcp
```

```
no shutdown
```

```
ip nat outside
```

```
int fa0/0
```

```
ip address 10.0.21.1 255.255.255.0
```

```
ip nat inside
```

```
no shut
```

```
ip route 192.168.0.0 255.255.0.0 10.0.21.2
```

```
ip route 172.21.0.0 255.255.0.0 10.0.21.2
```

```
ip route 10.0.71.0 255.255.255.0 10.0.21.2
```

```
access-list 1 permit 10.0.21.0 0.0.0.255
```

```
access-list 1 permit 172.21.0.0 0.0.255.255
```

```
ip nat Inside source list 1 interface fastethernet0/1 overload
```

```
end
```